

Special Issue

Future Communication Networks and Systems for Smart Cities

Message from the Guest Editor

Building and creating smart homes and cities have benefited greatly from a number of major enabling technologies, many of which are still in use today. The increased reliance on city residents in smart ICT applications will bring a tremendous increase in the amount of traffic that will be produced in the city of the future, thus straining the limits of current data communication networks. In this Special Issue, articles addressing new challenges and solutions for the network infrastructure of smart cities of the future are invited. Authors are encouraged to submit articles mainly describing original research or review articles. Representative topics that this SI will consider include (but are not limited to) the following:

- Smart city communications infrastructure;
- Ubiquitous sensing and actuation;
- IoT architectures, protocols, and algorithms in smart cities;
- Reliability, security, safety, privacy and trust issues;
- Intelligent transportation systems and vehicular networks;
- Smart energy grid;
- Smart homes for elderly citizens;
- Crowdsensing and crowdsourcing.

https://www.mdpi.com/journal/electronics/special_issues/9259LQJAD6

Guest Editor

Prof. Dr. Petros Nicolaitidis

Department of Informatics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

Deadline for manuscript submissions

closed (15 June 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/si/162484](https://www.mdpi.com/si/162484)

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://www.mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).